

Claim Amendments

Claims 1-14. (cancelled)

15. (currently amended) An integrated broadcast reception system for use in a hand-held telecommunication device for receiving broadcast signals, wherein the hand-held telecommunication device has a device body, the reception system comprising:
an electrically non-conductive substrate located inside the device body;
an electrically conductive element, disposed on the substrate, for receiving the broadcast signals; and
a signal processing module disposed on the substrate adjacent and electronically connected to one end of the electrically conductive element, responsive to the received signals, for processing the received signals, wherein the broadcast signals are frequency-modulated signals, and ~~The broadcast reception system of claim 14,~~ wherein the broadcast signals are substantially in a frequency range of 88 MHz - 105 108 MHz.

Claim 16. (cancelled)

17. (currently amended) An integrated broadcast reception system for use in a hand-held telecommunication device for receiving broadcast signals, wherein the hand-held telecommunication device has a device body, the reception system comprising:
an electrically non-conductive substrate located inside the device body;
an electrically conductive element, disposed on the substrate, for receiving the broadcast signals; and
a signal processing module disposed on the substrate adjacent and electronically connected to one end of the electrically conductive element, responsive to the received signals, for processing the received signals, wherein the broadcast signals are digital broadcast signals, and ~~The broadcast reception system of claim 16,~~ wherein the broadcast signals are substantially in a frequency range of 88 MHz - 105 108 MHz.

18. (currently amended) An integrated broadcast reception system for use in a hand-held telecommunication device for receiving broadcast signals, wherein the hand-held telecommunication device has a device body, the reception system comprising:
an electrically non-conductive substrate located inside the device body;
an electrically conductive element, disposed on the substrate, for receiving the broadcast signals; and
a signal processing module disposed on the substrate adjacent and electronically connected to one end of the electrically conductive element, responsive to the received signals, for processing the received signals, wherein the broadcast signals are digital broadcast signals, and ~~The broadcast reception system of claim 16,~~ wherein the broadcast signals are substantially in a frequency of 200 MHz.

19. (currently amended) The broadcast reception system of claim + 15, wherein the signal processing module comprises an active circuit, responsive to the received signals, for providing amplified signals.

20. (original) The broadcast reception system of claim 19, wherein the active circuit is controllable for adjusting a gain of the amplified signals.

21. (currently amended) The broadcast reception system of claim + 15, wherein the signal processing module comprises a band-tuning circuit, responsive to the received signals, for selecting a broadcasting frequency band for providing band-tuned signals.

22. (original) The broadcast reception system of claim 21, wherein the signal processing module further comprises an amplification device, responsive to the band-tuned signals, for providing amplified signals.

Claim 23. (cancelled)

24. (currently amended) A mobile phone capable of receiving broadcast signals, comprising:
a housing;

an internal broadcast reception system, disposed within the housing, wherein the reception system comprises:

an electrically non-conductive substrate located inside the device body;
an electrically conductive element, disposed on the substrate, for receiving the broadcast signals; and
a signal processing module disposed on the substrate adjacent and electronically connected to one end of the electrically conductive element, responsive to the received signals, for providing pre-processed signals; and
means, responsive to the pre-processed signals, for providing audio signals indicative of the broadcast signals ~~The mobile phone of claim 23~~, wherein the broadcast signals are substantially in a frequency range of 88 MHz - 105 108 MHz.

25. (currently amended) A mobile phone capable of receiving broadcast signals, comprising:
a housing;

an internal broadcast reception system, disposed within the housing, wherein the reception system comprises:

an electrically non-conductive substrate located inside the device body;
an electrically conductive element, disposed on the substrate, for receiving the broadcast signals; and
a signal processing module disposed on the substrate adjacent and electronically connected to one end of the electrically conductive element, responsive to the received signals, for providing pre-processed signals; and
means, responsive to the pre-processed signals, for providing audio signals indicative of the broadcast signals ~~The mobile phone of claim 23~~, wherein the broadcast signals are substantially in a frequency range of 53 MHz - 99 MHz.

Claims 26. (cancelled)

27. (currently amended) A mobile phone capable of receiving broadcast signals, comprising:
a housing;

an internal broadcast reception system, disposed within the housing, wherein the reception system comprises:

an electrically non-conductive substrate located inside the device body;
an electrically conductive element, disposed on the substrate, for receiving the broadcast signals; and
a signal processing module disposed on the substrate adjacent and electronically connected to one end of the electrically conductive element, responsive to the received signals, for providing pre-processed signals; and
means, responsive to the pre-processed signals, for providing audio signals indicative of the broadcast signals ~~The mobile phone of claim 26~~, wherein the broadcast signals are in a frequency range around 200 MHz.

Claims 28-33. (cancelled)

34. (currently amended) A mobile phone capable of receiving broadcast signals, comprising:

a housing;
an internal broadcast reception system, disposed within the housing, wherein the reception system comprises:
an electrically non-conductive substrate located inside the device body;
an electrically conductive element, disposed on the substrate, for receiving the broadcast signals; and
a signal processing module disposed on the substrate adjacent and electronically connected to one end of the electrically conductive element, responsive to the received signals, for providing pre-processed signals; and
means, responsive to the pre-processed signals, for providing audio signals indicative of the broadcast signals, wherein the broadcast signals are frequency-modulated signals, and the signal processing module comprises a band-tuning circuit, responsive to the received signals, for selecting a broadcasting frequency band ~~The mobile phone of claim 33~~, wherein the selected frequency band is substantially within a range of 88 MHz and 108 MHz.

35. (currently amended) The mobile phone of claim ~~32~~ 24, wherein the broadcast signals are frequency modulated and wherein said providing means comprises a tuning circuit for selecting a broadcast channel in a broadcast frequency band for providing further signals indicative of the broadcast of the selected channel.

36. (original) The mobile phone of claim 35, wherein said providing means further comprises a converter, responsive to the further signals, for providing the audio signals.

37. (currently amended) The mobile phone of claim ~~23~~ 24, further comprising a chassis within the housing for disposing said providing means, wherein the hand-held telecommunication device includes a chassis, and wherein the electrically non-conductive substrate is a part of the chassis.

38. (original) The mobile phone of claim 37, wherein the electrically non-conductive substrate is made of a rigid material mechanically linked to the chassis and the integrated broadcast reception system is electronically linked to the chassis.

39. (original) The mobile phone of claim 37, wherein the electrically non-conductive substrate is made of a flexible material mechanically linked to the chassis and the integrated broadcast reception system is electronically linked to the chassis.

40. (currently amended) The mobile phone of claim ~~23~~ 24, wherein the electrically conductive element has a meandering or wound shape for reducing the size of the electrically non-conductive substrate.

41. (new) The mobile phone of claim 24, wherein the broadcast signals are digital broadcast signals.

42. (new) The mobile phone of claim 24, wherein the broadcast signals are frequency modulated signals.

43. (new) The mobile phone of claim 25, wherein the broadcast signals are frequency modulated signals.

44. (new) The broadcast reception system of claim 15, wherein the physical length of the electrically non-conductive substrate is smaller than the a quarter-wavelength of the received signal.

45. (new) The broadcast reception system of claim 17, wherein the physical length of the electrically non-conductive substrate is smaller than the a quarter-wavelength of the received signal.

46. (new) The broadcast reception system of claim 18, wherein the physical length of the electrically non-conductive substrate is smaller than the a quarter-wavelength of the received signal.

47. (new) The broadcast reception system of claim 15, wherein the electrically conductive element is disposed on at least one side of the electrically non-conductive substrate.

48. (new) The broadcast reception system of claim 17, wherein the electrically conductive element has a helical shape.